D-Link®

2.4GHz Wireless Broadband Router

AirPlus G

DI-524

802.11g Wireless Broadband Router

With Built-in 4-Port Switch

The D-Link AirPlusG DI-524 wireless router is the ideal networking solution for homes and small offices. This router combines the high-speed 802.11g wireless technology and robust firewall security features in providing broadband Internet connection to a small workgroup. It's an ideal device for those creating their first wireless networks, as well as for more advanced users looking for advanced network protection and content filtering.

High-Speed Wireless Speed

The DI-524 router offers a maximum wireless signal rate of up to 54Mbps through its wireless channels, allowing streaming videos and other high bandwidth applications such as on-line gaming and video clips to operate without the hassle of Ethernet cables. The ability to handle high bandwidth applications also makes streaming real time programs more enjoyable and more efficient.

Advanced Built-in Firewall

The DI-524's built-in firewall makes it more difficult for hackers to penetrate your network. Firewall features include functions to allow or disallow certain ports to be open for certain applications. Time scheduling can be applied to the firewall rules to have specific ports open at certain times and to be closed at other times. Features like content filtering, MAC filtering, URL blocking, and domain blocking are useful tools to prevent unwanted intruders from connecting to your network or browsing restricted sites.

Easy Setup and Secure Data Transfer

A simple, intelligent web-based setup wizard is provided with the DI-524 to allows users to quickly set up the router and connect computers to share a high-speed Internet connection, files, resources, games or just to communicate. Multiple wireless clients can also securely connect to the network using 64-bit or 128-bit WEP data encryption.

Integrated Ethernet Switch

An integrated 4-port switch allows ready connection of up to 4 computers. This saves you the cost of purchasing and installing a separate switch for network computer connections.

Key Features

- *Remote router with 802.11g wireless LAN interface*
- *Cable/DSL modem Internet sharing*
- *Wireless LAN speed up to 54Mbps*
- *10/100BASE-TX port for DSL/cable modem connection*
- *WAN port supports PPPoE for Internet dial-up mode*
- *4 built-in 10/100BASE-TX switch ports with auto MDI/MDIX support*
- *Firewall features include NAT with VPN pass-through, MAC/IP/URL filtering, domain blocking and scheduling*
- *Web-based configuration with setup wizard for quick installation*

DI-524

Technical Specifications

2.4GHz Wireless Broadband Router

Standards
- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

Wireless Modulation Technology
Orthogonal Frequency Division Multiplexing (OFDM)

Wireless Frequency Range
2.4GHz to 2.462GHz

Wireless Signal Rates
(With automatic fallback)
54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 11Mbps, 9Mbps, 6Mbps, 5, 5Mbps, 2Mbps, 1Mbps

Wireless Receiver Sensitivity
- 54Mbps OFDM, 10% PER, -68dBm
- 48Mbps OFDM, 10% PER, -68dBm
- 36Mbps OFDM, 10% PER, -75dBm
- 24Mbps OFDM, 10% PER, -79dBm
- 18Mbps OFDM, 10% PER, -82dBm
- 12Mbps OFDM, 10% PER, -84dBm
- 11Mbps CCK, 8% PER, -82dBm
- 9Mbps OFDM, 10% PER, -87dBm
- 6Mbps OFDM, 10% PER, -88dBm
- 5.5Mbps CCK, 8% PER, -85dBm
- 2Mbps QPSK, 8% PER, -86dBm
- 1Mbps BPSK, 8% PER, -89dBm

Wireless Transmit Output Power
15dBm +/- 2dBm

External Antenna Type
Single detachable reverse SMA

Wireless Operating Range
- Indoors: up to 100 m
- Outdoors: up to 300 m

** Environmental factors may adversely affect operating range*

Security
- 802.1x user authentication support
- 64-, 128-WEP wireless data encryption
- WPA Wi-Fi Protected Access (WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)

Firewall Features
- NAT (Network Address Translation) with VPN pass-through
- MAC address filtering
- IP address filtering
- URL filtering
- Domain blocking
- Scheduling

VPN Pass-Through/Multi-Sessions
- PPTP
- L2TP
- IPSec

Device Management
- Web-based Internet Explorer v.6 or Netscape Navigator v6 or other Java-enabled browsers
- DHCP Server and Client

Diagnostic LEDs
- Power
- Status
- WAN
- LAN (10/100Mbps)
- WLAN

Physical & Environmental

Power Input
Through external power adapter

Dimensions
273 (L) x 205 (W) x 66 (H) mm

Weight
1.32 kg

Operating Temperature
0° to 40°C

Humidity
90% maximum (non-condensing)

Safety and Emissions
- FCC
- CE
- C-Tick

ACN 052 202 838

Ordering Information

DI-524	802.11g Wireless Router With Built-in 4-Port Switch

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Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Norway	TEL: 47-23-897189	FAX: 47-22-309085
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Czech Republic	TEL: 420-(603)-276-589	
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Poland	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
Hungary	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
India	TEL: 91-022-26526696	FAX: 91-022-26528914
Middle East (Dubai)	TEL: 971-4-3916480	FAX: 971-4-3908881
Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
China	TEL: 86-10-58635800	FAX: 86-10-58635799
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
Headquarters	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

Rev. 01 (Mar. 2005)

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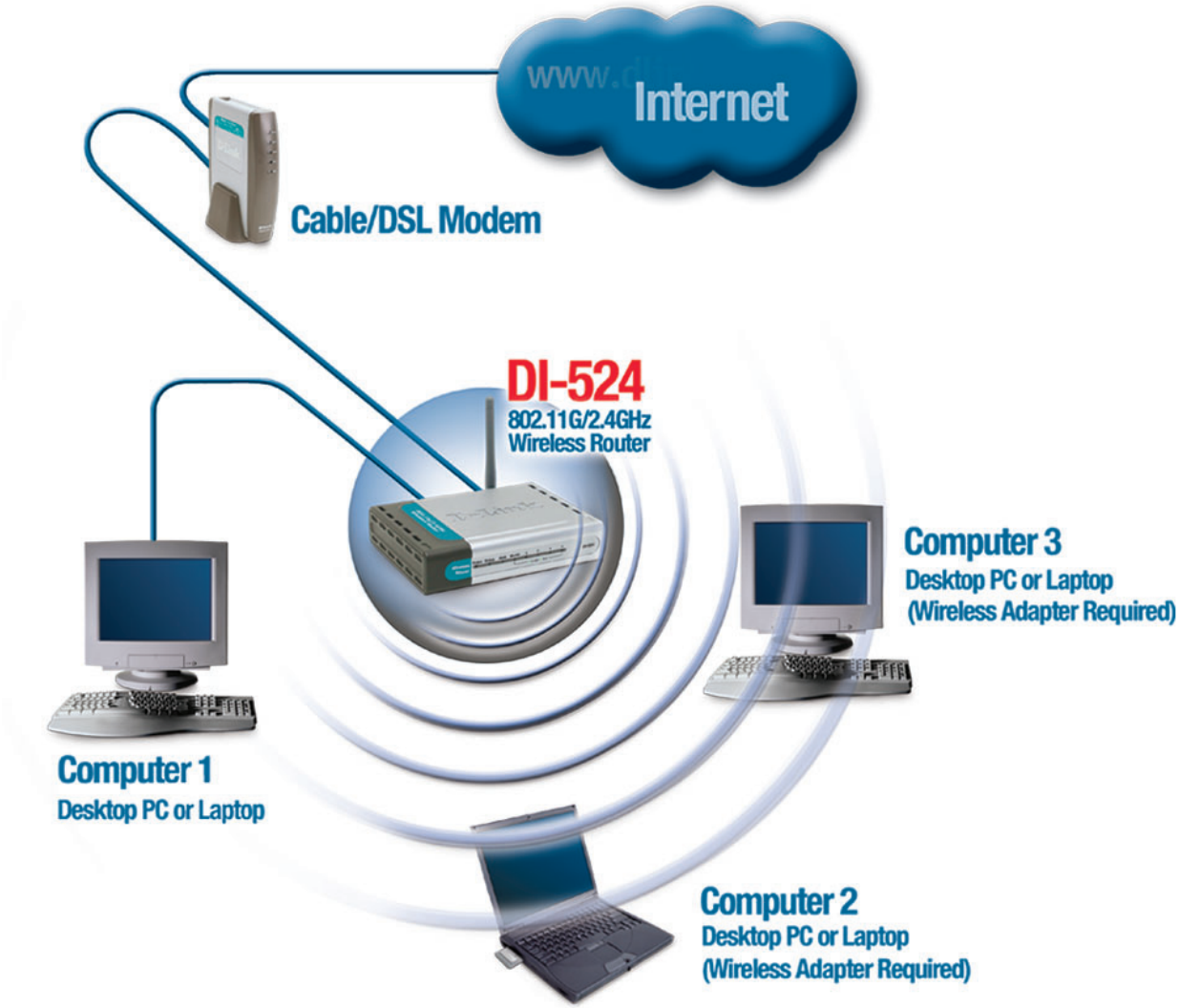
Building Networks for People

GET INTO THE FLOW!

DI-524



AirPlus G+™

D-Link®

2.4GHz Wireless LAN

AirPlus G

USB UNIVERSAL SERIAL BUS

Wi Fi™ The Standard for Wireless Fidelity.

Designed for Microsoft® Windows® XP, 2000, ME, 98, Windows NT®

DWL-G122

802.11g Wireless LAN USB Adapter

The DWL-G122 is a high-performance 802.11g wireless LAN USB adapter that connects your computer to a high-speed wireless LAN. This adapter simply plugs to your computer through a fast USB 2.0 interface to provide up to 54Mbps wireless speed. With industry standard interoperability, backward compatibility with 802.11b devices and plug-and-play installation, this adapter is an ideal solution for notebook and laptop PC users needing fast and standard mobile network connection.

Up to 54Mbps Transmission Speed

The DWL-G122 provides speeds of up to 54Mbps when used with other 802.11g wireless devices. This compares favorably with 802.11b adapters that offer only 11Mbps transmission.

Compatible With 802.11b

Like the 802.11b devices, the DWL-G122 uses a single 2.4GHz wireless frequency, eliminating the complexity of dualband networking. 802.11g's compatibility with existing wireless LAN standards means that you do not need to change your entire network to maintain connectivity.

Easy Migration to Higher Bandwidth

By maintaining compatibility with your existing wireless network equipment, this adapter lets you upgrade to a higher speed at the pace you want. The DWL-G122 and other 802.11g standard devices can be gradually added to your network, while the rest of your older network remains perfectly connected.

Network Security

The DWL-G122 supports Wi-Fi™ Protected Access (WPA) to provide the necessary security protocols and tools, so you can communicate with other wireless users confidentially, access sensitive information or send data that is dynamically encrypted as it's sent. WPA allows authorization and identification of users based on a secret key that changes automatically at a regular interval. Used in conjunction with a RADIUS server, WPA uses TKIP (Temporal Key Integrity Protocol) to change the temporal key every 10,000 packets. This insures much greater security than the standard WEP security, which requires the keys to be changed manually.

Fast USB 2.0 Interface

The DWL-G122 is equipped with a fast USB 2.0 port and a USB cable that connects to your computer, providing data throughput at up to 480Mbps between the network adapter and the host computer. That is about 40 times faster than the earlier USB 1.1 specification, allowing you to take advantage of the high 54Mbps wireless speed that this adapter provides.

With USB hot swap and plug-and-play capabilities, the DWL-G122 provides you with fast and easy connectivity to wireless devices and users, no matter if they use the 802.11b or the fast 802.11g standard.

Key Features

- *802.11bg wireless LAN standard, backward compatible with 802.11b devices*
- *2.4GHz frequency band*
- *Fast USB 2.0 connection to notebook/desktop computer*
- *Up to 54Mbps wireless data transfer rate*
- *User-selectable WEP 64/128-bit data encryption and WPA security*
- *Supports Windows 98 SE, 2000, ME, XP*
- *Integrated internal antenna*
- *Compact pocket-sized design, lightweight*

DWL-G122

Technical Specifications

2.4GHz Wireless LAN

Hardware

System Requirements
- Computer with available USB 2.0 interface
- Windows XP, 2000, ME or 98 SE
- 300MHz CPU or above
- 32MB memory or more

USB Interface
USB 2.0 (1.5 m USB cable with Type A plugs provided)

Wireless LAN Standard
802.11g

Data Rates
- 802.11g: up to 54Mbps (6/9/12/18/24/36/48/54Mbps)
- 802.11b: up to 11Mbps (1/2/5.5/11Mbps)

Transmission Technology
DSSS

RF Frequency Range
2400 to 2497MHz ISM band

Operating Channels
- 1 to 11 channels (FCC)
- 1 to 13 channels (ETSI)

Data Modulation Type
DBPSK, DQPSK, CCK, OFDM

Antenna
Integrated internal antenna

Transmit Output Power
- 802.11b:
  +16dBm at 11, 5.5, 2, and 1Mbps
- 802.11g:
  +10dBm at 54 and 48Mbps
  +12dBm at 36 and 24Mbps
  +14dBm at 18, 12, 9 and 6Mbps

Receive Sensitivity
- 802.11b (@ 8% PER):
  -82dBm at 11Mbps
  -87dBm at 2Mbps
- 802.11g (@ 10% PER):
  -88dBm at 6Mbps
  -86dBm at 9Mbps
  -84dBm at 12Mbps
  -82dBm at 18Mbps
  -78dBm at 24Mbps
  -74dBm at 36Mbps
  -69dBm at 48Mbps
  -66dBm at 54Mbps

Operating Range *
- Indoors: 100 meters
- Outdoors: 400 meters

** Environmental factors may adversely affect range*

Diagnostic LEDs
- Act
- Link

Security
- WEP 64/128-bit data encryption (user-selectable)
- Wi-Fi™ Protected Access

Physical & Environmental

Operating Voltage
5VDC +/- 5%

Power Consumption
- Transmission: 2350mW max.
- Reception: 1800mW max.

Power Input
USB bus power, no external AC power adapter required

Dimensions
75 x 23 x 6.3 mm

Operating Temperature
0° to 55°C

Storage Temperature
-20° to 75°C

Humidity
5% to 95% non-condensing

Emission Certification
- FCC Part 15b (Class B)
- CE Class B

Package Includes
- DWL-G122 USB adapter
- USB 2.0 cable (1.5 meters)
- Software driver & User's Manual on CD
- Quick Installation Guide

Ordering Information

DWL-G122	802.11g Wireless LAN USB 2.0 Adapter

Please specify your order as follows:

DWL-G122/NA	North America frequency
DWL-G122/EU	EU frequency
DWL-G122/CN	For use in China (China packaging)
TDWL-G122	For use in Taiwan (Taiwan packaging)

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Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Latinamerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-55039320	FAX: 55-11-55039321
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
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RECYCLABLE
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DWL-G122

AirPlusXtremeG™